

Army National Guard Military Munitions Response Program Site Inspection Kanaio Local Training Area Maui, Hawaii

Public Meeting 1

Hawaii Army National Guard

Headquarters Army National Guard

U.S. Army Corps of Engineers, Honolulu District

26 January 2017



ACRONYM LIST

Acronym	Definition
ARNG	U.S. Army National Guard
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DD	Decision Document
DLNR	Department of Land and Natural Resources, State of Hawaii
DOH	Department of Health, State of Hawaii
FS	Feasibility Study
GIS	Geographic Information System
GPS	Global Positioning System
HIARNG	Hawaii Army National Guard
HRR	Historical Record Review
LTA	Local Training Area
MC	Munitions Constituents

ACRONYM LIST (cont.)

Acronym	Definition
MEC	Munitions and Explosives of Concern
MMRP	Military Munitions Response Program
NFA	No Further Action
PA	Preliminary Assessment
PP	Proposed Plan
RA	Removal Action
RI	Remedial Investigation
SI	Site Inspection
TCRA	Time Critical Removal Action
USACE	U.S. Army Corps of Engineers
UXO	Unexploded Ordnance



MEETING AGENDA

- Why Are We Here?
- Lead Agencies, Regulators, and Stakeholders
- Public Outreach
- Site Overview
- Previous Investigations/Reports
- Kanaio Operational Status
- Site Inspection Purpose and Process
- Next Steps
- Public Safety
- Questions



WHY ARE WE HERE?

- Address military munitions potentially remaining at the former Kanaio Local Training Area (LTA)
 - ▶ Kanaio LTA was operational until 2003
 - ▶ HIARNG closed Kanaio LTA in 2016 and the site became eligible for the Military Munitions Response Program (MMRP)
- HIARNG and USACE are investigating Kanaio LTA to determine future actions at this site



LEAD AGENCIES

Hawaii Army National Guard (HIARNG)

- Kawika Brentlinger, Project Manager *
- MAJ Jeff Hickman, Public Affairs Officer *
- Dawn Hegger-Nordblom, NEPA Coordinator *
- Karl Motoyama, Environmental Program Manager
- Lynne Nakamoto, Environmental Compliance Manager
- Leslie Ching, Pollution Prevention

Headquarters Army National Guard

- Rob Halla, Army National Guard Directorate

U.S. Army Corps of Engineers (USACE) – Honolulu District

- Young Chong, Project Manager *

*present at meeting



REGULATORS and STAKEHOLDERS

Regulators

- State of Hawaii Department of Health, Hazard Evaluation and Emergency Response Office
 - ▶ Steve Mow, Project Manager *

Stakeholders

- State of Hawaii Department of Land and Natural Resources
 - ▶ Division of Forestry and Wildlife
 - ▶ Land Division
- Private Landowners
- Site Users

*present at meeting



PUBLIC OUTREACH

Communication

- Public Meetings
- Fact Sheets
 - ▶ **HIARNG WEBSITE**
- Newspapers
 - ▶ The Maui News
- Community Information Boards
 - ▶ Ukumehame Ranch
 - ▶ Morihara's Store
 - ▶ Grocery Store next to Grandma's Coffee House



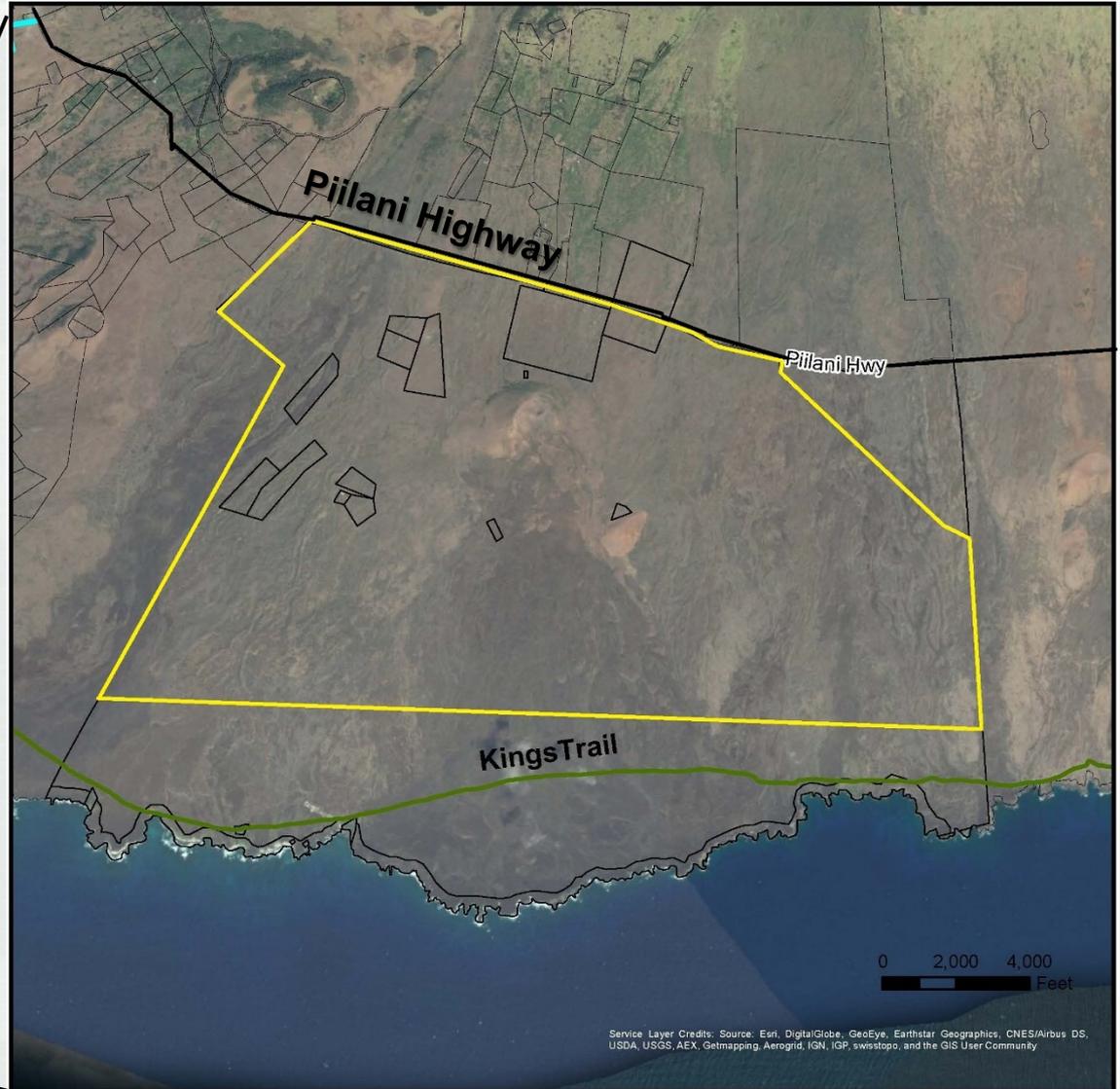
PUBLIC OUTREACH

Information Repositories

- Kahului and Makawao Public Libraries
- **HIARNG Website**
- USACE – Honolulu District



PROJECT LOCATION



SITE OVERVIEW

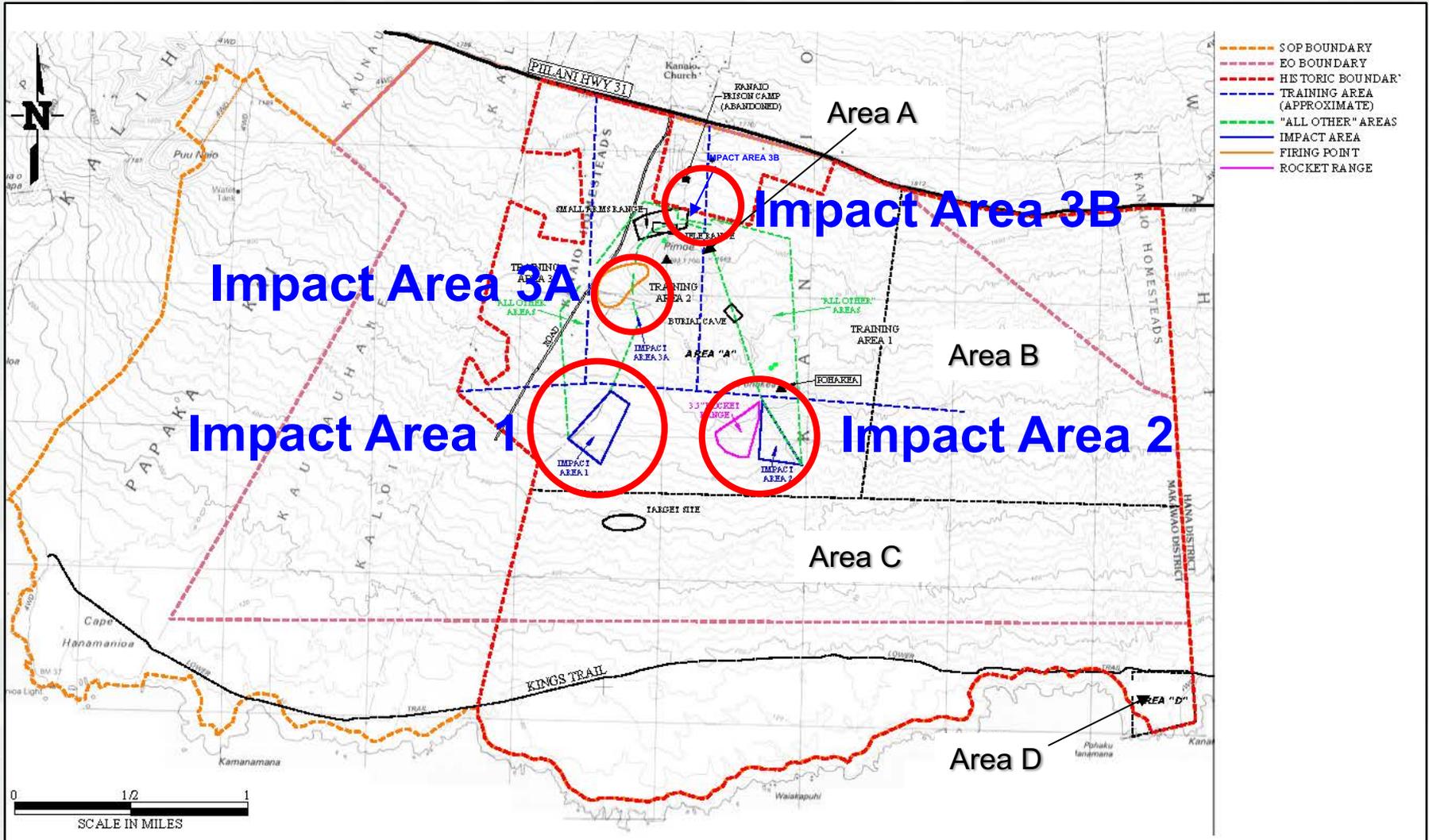
- Approximately 4,771 acres located in Kanaio, Maui at the foot of Haleakala
- Bounded by the Pi'ilani Highway to the north, and the Pacific Ocean to the south
- Investigation area located on State of Hawaii-owned land and private landowners
- Potential ecological, biological, archaeological, and cultural resources may be present



SITE OVERVIEW

- Land leased to Ulupalakua Ranch in 1912
- Live fire practices during World War II, into 1950s-60s by the Army and Marine Corps
- HIARNG granted partial access in 1965 for training 6 weeks of the year; increased to 12 weeks in 1966
- HIARNG continued use until lease expired in 2003
- No training was conducted after 2003
- ARNG closed Kanaio LTA in 2016

SITE LAYOUT



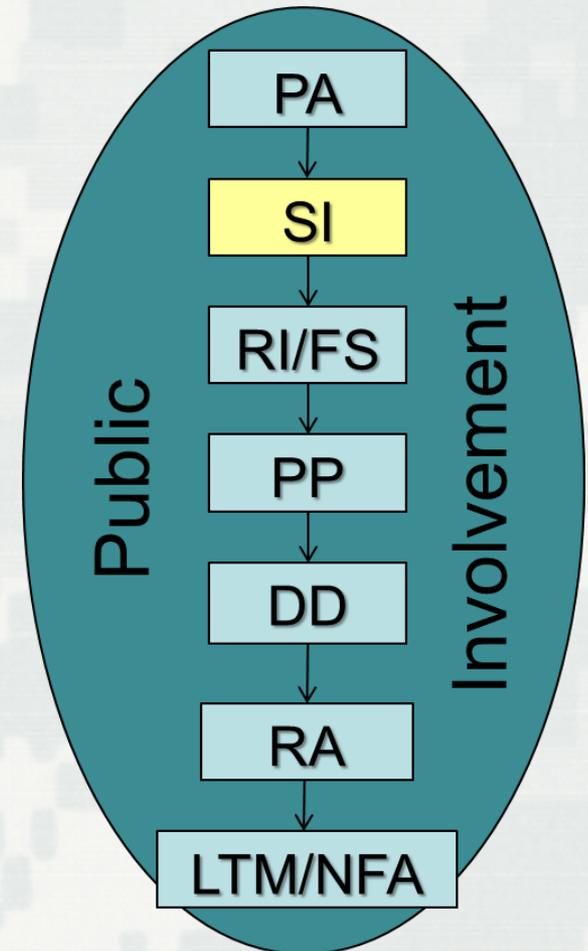
PREVIOUS ACTIONS and REPORTS

- 1981 HIARNG Clearance
 - ▶ Located and disposed of several unexploded ordnance (UXO) items
- 1996 - 1998 Surface Ordnance Removal Plan and Removal Action
 - ▶ Identified ordnance in Impact Areas 1 and 2 and possible ordnance in Impact Area 3A, and small arms in Impact Area 3B
- 2008 Range Assessment Report
 - ▶ Identified possible Munitions and Explosives of Concern (MEC) and possible Munitions Constituents (MC) remaining at the site



KANAIO LTA OPERATIONAL STATUS

- Closed in 2016 by HIARNG
- Entered Military Munitions Response Program (MMRP)
- MMRP follows the CERCLA process to determine future actions at sites
- 2008 Range Assessment Report served as the Preliminary Assessment
- Currently in Site Inspection phase



SITE INSPECTION PURPOSE

- Assess the nature and extent of Munitions and Explosives of Concern
- Assess the nature and extent of Munitions Constituents in available media
- Collect sufficient data to determine next step(s) at Kanaio LTA
 - ▶ No Further Action
 - ▶ Remedial Investigation/Feasibility Study
 - ▶ Time Critical Removal Action



SITE INSPECTION PROCESS

- Historical Records Report
 - ▶ Interviews with residents and/or those familiar with range activities
 - ▶ Review of document archives
- Work Plan
- Field Work
 - ▶ Geophysical Survey
 - ▶ Analytical Sampling
- Site Inspection Report



GEOPHYSICAL SURVEY

- Instrument-assisted and visual reconnaissance
- Sweeping 5-foot wide transects
- Transects will cover approximately 48 acres (78 miles)
- GPS data collected and uploaded to GIS daily
- UXO will be marked and local police department will be notified



SITE INSPECTION REPORT

- Publish field work findings for MEC and MC
- Incorporate field data with historical data
- Recommend future action(s)
 - ▶ No Further Action
 - ▶ Remedial Investigation/Feasibility Study
 - ▶ Time Critical Removal Action



NEXT STEPS

- Historical Records Report (Spring 2017)
- Draft Work Plan (Spring 2017)
- Community Meeting 2 (Late Spring 2017)
- Final Work Plan (Summer 2017)
- Field Work (Fall 2017)
- Community Meeting 3 (Spring 2018)
- Site Inspection Report (Summer 2018)



PUBLIC SAFETY

Remember the 3Rs -

- **RECOGNIZE** - Military items can be **DANGEROUS!**
- **RETREAT** - **DO NOT TOUCH IT!** Move away from the area.
- **REPORT** - Call 911



QUESTIONS

For questions about this project, contact HIARNG's Public Affairs Office at (808) 733-4258.

Additional information about Kanaio LTA can be found at : **HIARNG WEBSITE**

If you would like to be interviewed please contact Derek Lawrence (800) 394-0088 or via e-mail at dlawrence@techlawinc.com





CONSOLIDATED LIST OF MEC

Area	Area A					Area B	Area C	Area D
	Impact Area 1	Impact Area 2	Impact Area 3A	Impact Area 3B	OTHER Areas			
Intended Use of Area	<i>M79 grenade and LAAW Firing Range</i>	<i>LAAW Firing Range</i>	<i>Sub-caliber Arms Range</i>	<i>Small Arms Firing Range</i>		<i>Training and Maneuver area surrounding Pu'u Pimo'e</i>	<i>Impact area for projectiles from B</i>	<i>Impact area for projectiles from B</i>
MEC Discovered	M72 LAAW Rocket	Live anti-tank M72 round	no live explosives	no live explosives	no live HE items	no live HE items		4.2-inch mortars
	40 mm M79 Grenade	HEAT and practice rockets	indications -use of 81 mm mortar subcaliber rounds	no indication of ordnance besides small arms	considerable live, blank small arms	considerable live, blank small arms		
	spent 90 mm HEAT	M73 LAAW subcaliber rounds	low order 155 mm artillery round					
	subcaliber	81mm practice & illumination rounds						
	HE and practice 40 mm grenade	155 mm artillery rounds						
	81 mm mortars							
	155 mm artillery rounds							